

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-26. (canceled)

27. (new) A method of manufacturing a metal reactor cell that has overlapping corrugated sheets and a housing, the method comprising the steps of preoxidizing the overlapping corrugated sheets, and after the preoxidizing step joining the preoxidized sheets simultaneously to each other and to at least part of the housing by resistance welding.

28. (new) The method of claim 27, wherein the preoxidizing step comprises the step of annealing the sheets for 0.1 to 10 hours at 500 to 1000°C.

29. (new) The method of claim 28, wherein the preoxidizing step comprises the step of annealing the sheets for 1 to 3 hours at 700 to 800°C.

30. (new) The method of claim 27, wherein the resistance welding step includes the steps of placing an assembly of the overlapping corrugated sheets inside the housing and then simultaneously resistance welding the assembly to the housing and the corrugated sheets to each other.

31. (new) A method of manufacturing a metal reactor cell that has overlapping corrugated sheets and a housing, the method comprising the steps of preoxidizing the overlapping corrugated sheets, and after the preoxidizing step joining the preoxidized sheets to each other and to at least part of the housing by resistance welding.